

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Kazuhiro AIHARA, et al.

Serial No.: 09/499,037

Filed: February 7, 2000



Group Art Unit: 2826

Examiner: J. Mondt

For: SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF

THE COMMISSIONER FOR PATENTS AND TRADEMARKS  
Washington, DC 20231

Dear Sir:

Transmitted herewith is an Amendment in the above identified application.

- ☒ No additional fee is required.
- ☐ Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted.
- ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.
- ☐ Also attached:

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	12	20	0	\$18.00 =	\$0.00
Independent Claims	3	3	0	\$84.00 =	\$0.00
Multiple claims newly presented					\$0.00
Fee for extension of time					\$0.00
					\$0.00
Total of Above Calculations					\$0.00

- ☐ Please charge my Deposit Account No. 500417 in the amount of \$0.00. An additional copy of this transmittal sheet is submitted herewith.
- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 500417, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

MCDERMOTT, WILL &amp; EMERY

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 Date: October 18, 2002

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Docket No.: 49657-551



PATENT

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AMENDMENT

Box Non-Fee Amendment  
The Commissioner for Patents and Trademarks  
Washington, DC 20231

Sir:

The following Amendment and Remarks are submitted in response to the Office Action dated July 18, 2002. Please amend the above-identified application as follows:

IN THE CLAIMS:

- C'
1. (Amended) A semiconductor device, comprising:
    - a contact plug including a tungsten film in an upper portion of the contact plug, formed on a semiconductor substrate;
    - a storage electrode including a tantalum nitride film formed on and contacting an upper surface of said tungsten film;
    - a capacitor dielectric film including a tantalum oxide film formed on and contacting an upper surface of said tantalum nitride film; and

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#15/c  
And J  
J. McMillan  
10/28/02